
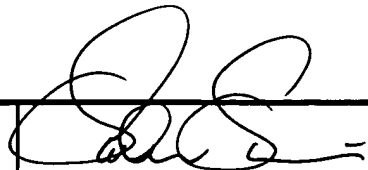


PTO/SB/08A			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) 			Application Number	10/795,790	
			Filing Date	March 8, 2004	
			Confirmation Number	7703	
			First Named Inventor	Arindam Roy, et al.	
			Group Art Unit	1625	
			Examiner Name	To Be Assigned	
Sheet	1	of	3	Attorney Docket No.	NVI 5268.2

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
S	1	Sugawara, et al.; Efficient and Practical Synthesis of Both Enantiomers of 6-silyloxy-3-pyranone Derivatives; Tetrahedron: Asymmetry; The International Journal for the Rapid Publication of all Aspects of Asymmetry in Organic, Inorganic, Organometallic, Physical And Bioorganic Chemistry; November 2000; 4529-4535; Volume 11 No. 22	
S	2	Miyazawa, et al.; Optical Resolution of Non-Protein Amino Acids by Lipase-Catalyzed Ester Hydrolysis; Biocatalysis and Biotransformation; 2000; pages 445-458; Vol. 17; Konan University, Japan	
S	3	Xin, et al.; Improvement of the Enantioselectivity of Lipase-Catalyzed Naproxen Ester Hydrolysis in Organic Solvent; Enzyme and Microbial Technology Biotechnology Research and Reviews; February 2000; pages 137-141; Volume 26 Numbers 2-4	
S	4	Miyazawa, et al.; Resolution of 2-Cyano-2-Methylalkanoic Acids Via Porcine Pancreatic Lipase-Catalyzed Enantioselective Ester Hydrolysis: Effect of the Alcohol Moiety of the Substrate Ester on Enantioselectivity; Biotechnology Letters; April 1999; pages 309-312; Volume 21 No. 4	
S	5	Haefner, et al.; Molecular Modelling of Lipase Catalysed Reactions. Prediction of Enantioselectivities; Chemical & Pharmaceutical Bulletin; May 1999; pages 591-600; Volume 47 No. 5	
S	6	Angelis, et al.; Enantioselectivity and Diastereoselectivity in the Hydrolysis of Acylals and Structurally Related Esters of Secondary Alcohols with Candida Rugosa Lipase; Tetrahedron Letters: The International Journal for the Rapid Publication of Preliminary Communications in Organic Chemistry; 1998; pages 2823-2826	
S	7	Löwendahl, et al.; Analysis of a Lipase-Catalyzed Kinetic Resolution by Chiral Normal-Phase Liquid Chromatography; BMC Biomedical Chromatography an International Journal; 1997; pages 289-295; Volume 11	










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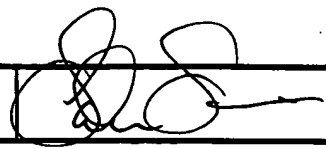
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	8	Serebryakov, et al.; Enantioselectivity of the PPL-Catalysed Hydrolysis of Racemic Esters: Some Cases Implying a Conformational Substrate Model; Mendeleev Communications Preliminary Accounts of a New work in Chemistry From Russia and Elsewhere; November 1996; pages 220-224; Number 6	
	9	Bornemann, et al.; The Effects of Surfactants on Lipase-Catalysed Hydrolysis of Esters: Activities and Stereoselectivity; Biocatalysts; 1994; pages 191-221; Volume 11	
	10	van Tol, et al.; Do Organic Solvents Affect the Catalytic Properties of Lipase? Intrinsic Kinetic Parameters of Lipases in Ester Hydrolysis and Formation in Various Organic Solvents; Biotechnology & Bioengineering; July 5, 1995; pages 71-81; Volume 47 Number 1	
	11	Yang, et al.; A Comparison of Lipase-Catalyzed Ester Hydrolysis in Reverse Micelles, Organic Solvents, and Biphasic System; Biotechnology & Bioengineering; July 5, 1995; pages 60-70; Volume 47 Number 1	
	12	Bojarski, et al.; Enantioselective Lipase-Catalyzed Ester Hydrolysis: Effects on Rates and Enantioselectivity from a Variation of the Ester Structure; Chirality The Pharmacological, Biological, and Chemical Consequences of Molecular Asymmetry; 1993; pages 154-158; Volume 5, Number 3	
	13	Scilimati, et al.; Biocatalytic Resolution of (+)-Hydroxyalkanoic Esters. A Strategy for Enhancing the Enantiomeric Specificity of Lipase-Catalyzed Ester Hydrolysis; Tetrahedron Letters The International Journal for the Rapid Publication of Preliminary Communication in Organic Chemistry; 1988; pages 4927-2930; Volume 29 No. 39	
	14	Wu, et al.; Enhancing the Enantioselectivity of Candida Lipase Catalyzed Ester Hydrolysis via Noncovalent Enzyme Modification; Journal of American Chemical Society; 1990; pages 1990-1995; Volume 112 No. 5	
	15	Hult; A Kinetic Interpretation of Acids and Alcohols Influence on the Enantioselectivity in Enzyme Catalysed Resolutions; Microbial Reagents in Organic Synthesis; March 23-27, 1992; pages 289-298	
	16	Rakels, et al.; Improvement of Enantioselective Enzymatic Ester Hydrolysis in Organic Solvents; Tetrahedron: Asymmetry The International Journal for Rapid Publication on all Aspects of Asymmetry in Organic, Inorganic, Organometallic, Physical and Bio-organic Chemistry; January 1994; pages 93-100; Volume 5 No. 1	

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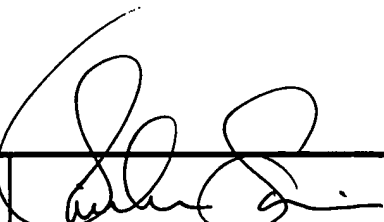
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8	17	Sih, et al.; Differences in Reactivity and Enantioselectivity in Lipase Reactions with Carboxylic Esters and Alcohols Bearing the Same Steriogenic Center; Tetrahedron: Asymmetry The International Journal for Rapid Publication on all Aspects of Asymmetry in Organic, Inorganic, Organometallic, Physical and Bio-organic Chemistry; February 1995; pages 357-360; Volume 6 No. 2	
8	18	Ahmed, et al.; Enantioselectivity of Candida Rugosa Lipase Toward Carboxylic Acids: A Predictive Rule From Substrate Mapping and X-Ray Crystallography; Biocatalysis; 1994; pages 209-225; Volume 9	
	19	Book of Abstracts 211th American Chemical Society National Meeting; New Orleans March 24-28, 1996	
		IN COMPLETE CITATION	
8	20	Zuegg, et al.; Selectivity of Lipases: Conformational Analysis of Suggested Intermediates in Ester Hydrolysis of Chiral Primary and Secondary Alcohols; Journal of Molecular Catalysis B: Enzymatic; June 10, 1997; pages 83-98	
8	21	Löwendahl, et al.; Steric Requirements for the Active Site of a Lipase from Candida Rugosa Studied by the Use of a Sulfinyl Group as a Chiral Probe; Biocatalysis and Biotransformation; Vol. 16; 1998; pages 163-180	
8	22	Bellezza, et al.; The Importance of Ester and Alkoxy Type Functionalities for the Chemo- and Enantio-Recognition of Substrates by Hydrolysis with Candida Rugosa Lipase; Perkin Acta Chemica Scandinavica; The Royal Society of Chemistry; 2000; pages 4439-4444	

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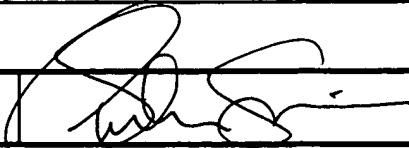
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U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
§	23	4,572,897		Amotz, et al.	02/25/1986		
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
§	24	PCT	WO 02/40438	A1	Ohrlein, et al.	05/23/2002	
OTHER ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ⁶
§	25	Urban, et al., Synthesis of Optically Active 3(R)-[Alkylsulfonyl]oxythiolanes from 2(R)-Hydroxy-4-(methylthio)butanoic Acid or D-Methionine, J. Org. Chem. 1990, Vol. 55, pgs. 3670-3672					
§	26	Elcin, Encapsulation of Urease Enzyme in Xanthan-Alginate Spheres, Biomaterials 1995, Vol. 16, No. 15, pgs. 1157-1161					
§	27	Balcao, et al., Bioreactors with Immobilized Lipases: State of the Art, Enzyme and Microbial Technology, 1996, Vol. 18, pgs. 392-416					
§	28	Fadnavis, et al., Gelatin Blends with Alginate: Gels for Lipase Immobilization and Purification, Biotechnol. Prog. 2003, Vol. 19, pgs. 557-564					

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